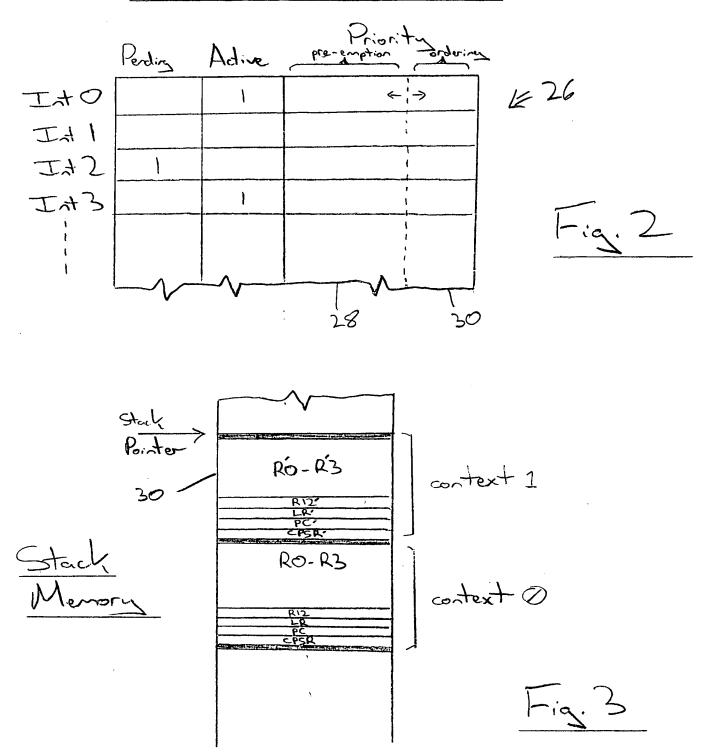


1-1

()

NVIC Control Table

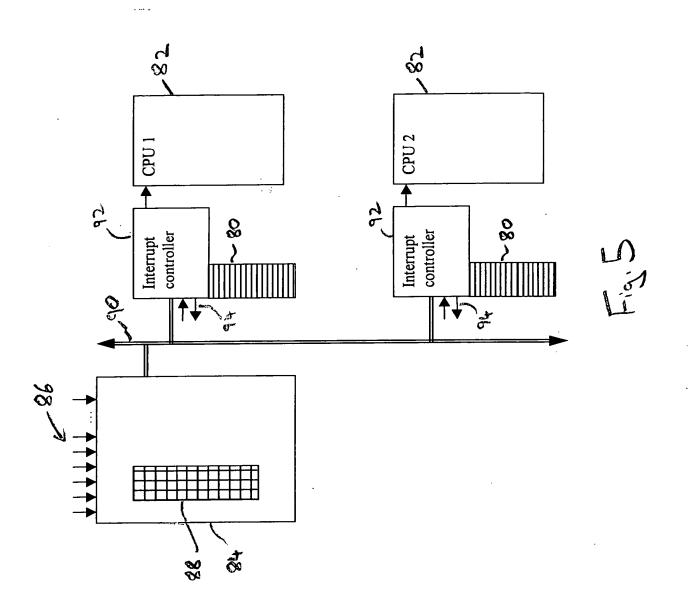


Priority Inversions

| Total (priority 3) Total (priority 7) | Int A priority 7 | Trt A (priority 5) Int B (priority 3) Int C (priority 7) Stock priority = 3 |
|--|-----------------------------|--|
| | Int C priority change | Int A (priority 2) Int B (priority 3) Int C (priority 1) |
| | | Stack priority = 1 |

F.3.4

/1 = 3



Main Flow

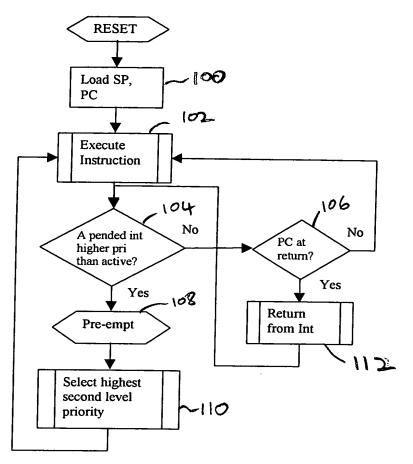
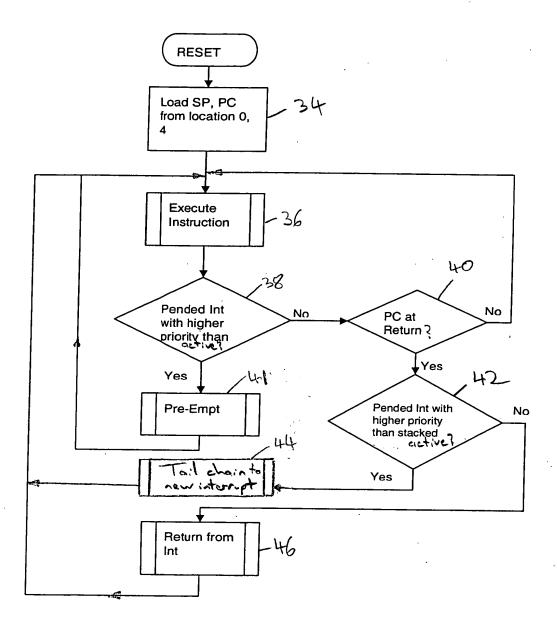


Fig. 6

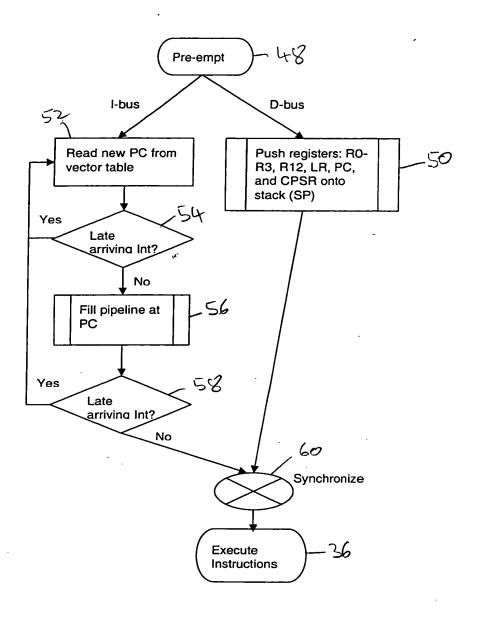
Main Flow with Tail Chaining



(3)

Fig. 7

Pre-emption Flow



. . .

1-ig: 8

Return From Interrupt Flow

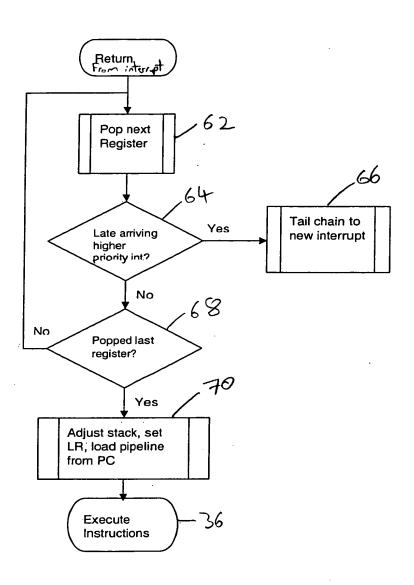


Fig. 9

Tail drain Read new PC From vector table Fill pipeline at PC Execute

 $\ \ \stackrel{\textstyle \leftarrow}{=} \ \ \\$

Tail Chaining

1-ig. 10